

AC115 Series

Low Cost Triaxial Accelerometer, Connector / Cable, 100 mV/g



VIBRATION ANALYSIS HARDWARE



Product Features

Low Cost Triaxial Sensor

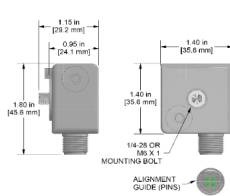
Speeds Data Collection

- ▶ ±15% Sensitivity
- ▶ Collect 3 Channels of Data Simultaneously
- ▶ Must Use J4A, J4C, J4N, or J4P Connectors and CB105, CB117, CB119 or CB218 Cables

AC115-1D

4 Pin Connector

Connector Pin	Polarity
A (Axis Y/3)	(+) Signal/Power
B (Axis X/2)	(+) Signal/Power
C (Axis Z/1)	(+) Signal/Power
D	(-) Common/Grid

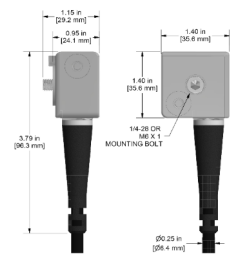


Stock Product

AC115-2D

CB105 Integral Cable

Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid

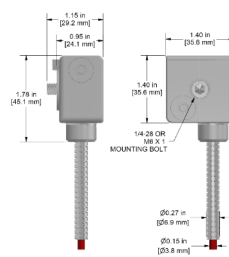


Built To Order

AC115-3D

CB218 Armored Integral Cable

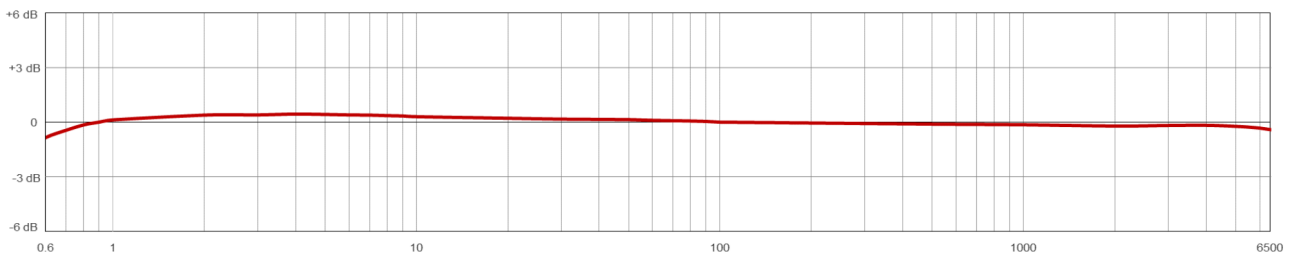
Conductor	Polarity
Red (Axis Y/3)	(+) Signal/Power
Green (Axis X/2)	(+) Signal/Power
White (Axis Z/1)	(+) Signal/Power
Black	(-) Common/Grid



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC115	M/AC115	Environmental		
Sensitivity (±15%)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60-390,000 CPM	1.0-6500 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		± 50 g, peak	Sealing		Welded, Hermetic
Electrical			Submersible Depth	200 ft.	60 m
Settling Time		<2.5 seconds	Physical		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		27 µg/√Hz	Weight	7.1 oz	200 grams
Spectral Noise @ 100 Hz		6.5 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		2.5 µg/√Hz	Mounting		1/4-28
Output Impedance		<100 ohm	Connector (Non-Integral)		4 Pin J Connector
Bias Output Voltage		10-14 VDC	Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Case Isolation		>10 ⁸ ohm	Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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